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TITLE: DIAMOND BLADE FOR CUTTING STONE
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ABSTRACT:

PURPOSE: To reduce the noise during the work and to reduce the cost by constructing the chip to be arranged on the outercircumference of the baseboard of a diamond blade with a diamond pellet and a non-diamond pellet.

CONSTITUTION: A diamond blade is constructed with a substrate 1, diamond pellets 2, 2', 2" and non-diamond pellets 3, 3'. When cutting a stone, the edge of a chip arranged on the outercircumference of the blade will cut into the face of the material to form the groove corresponding with the thickness of the chip while the portion following to the edge of the chip will only touch the bottom of the groove made by the edge, thereby the power consumption is

lower than that to be required for the cutting-in. Consequently non-diamond section is provided at this portion to absorb the shock to be applied on the chip edge thus to lower the noise during the work and to reduce the manufacturing cost.

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